

**CHEMICAL ARRAYS**  
**ABSTRACT OF THE DISCLOSURE**

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An array assembly and a method of fabricating such an assembly. The array assembly may include a plastic base layer, a glass layer forward of the base layer, and an array of polymers having a pattern of features on a front surface of the glass layer. A method of reading an array is also provided in which the array has a plastic base layer, a glass layer forward of the base layer, a reflective layer intermediate the base and glass layers, and an array on a front surface of the glass layer. The method may include illuminating features of the array and detecting any resulting fluorescence.

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